



103E7

7-Day Electronic Timeswitch for Controlling Hot Water and Heating (Including Factory Replacement Units FRU)

User Guide

103E7



7-Day Electronic Timeswitch for Controlling Hot Water and Heating



For a large print version of these instructions please call Marketing on 0845 121 7400.



Certification Mark

This product complies with the following EC Directives: Electro-Magnetic Compatibility Directive. (EMC) (2004/108/EC) Low Voltage Directive. (LVD) (2006/95/EC)



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The text below has been edited and approved by the Plain English Campaign, who has issued a Crystal Mark to be displayed with it.

What is a Programmer?

... an explanation for householders.

Programmers allow you to set 'On' and 'Off' time periods. Some models switch the central heating and domestic hot water on and off at the same time, while others allow the domestic hot water and heating to come on and go off at different times.

Set the 'On' and 'Off' time periods to suit your own lifestyle. On some programmers you must also set whether you want the heating and hot water to run continuously, run under the chosen 'On' and 'Off' heating periods, or be permanently off.

The time on the programmer must be correct. Some types have to be adjusted in spring and autumn at the changes between Greenwich Mean Time and British Summer Time.

You may be able to temporarily adjust the heating programme, for example, 'Override', 'Advance' or 'Boost'. These are explained in the manufacturer's instructions.

The heating will not work if the room thermostat has switched the heating off. And, if you have a hot-water cylinder, the water heating will not work if the cylinder thermostat detects that the hot water has reached the correct temperature.

Please note: A timeswitch is a single channel programmer. It will allow you to set your system's On and Off periods.

1.0 User Instructions

1.1 Your Timeswitch

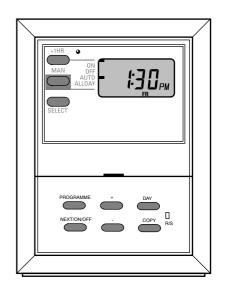
Your 103E7 timeswitch allows you to switch your heating and hot water on and off at times that suit you.

The 103E7 can provide 3 ON periods and 3 OFF periods each day and can offer either 7-day control (a different programme for each day of the week) or 5/2 day control (one set of programmes for weekdays and a different set for weekends).

2.0 Before you start/Making a Full Reset

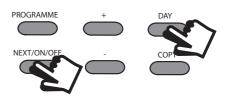
- Open the flap on the front of the unit.
- Press and hold +1HR and MAN buttons.
- Press and release the R/S button using a small, non-metallic object (e.g. matchstick, biro tip)
- Release +1HR and MAN buttons.

This will reset the unit and reinstate the preset programmes.



2.1 Choice of 24hr or AM/PM display

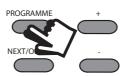
Press and hold **DAY** and **NEXT ON/OFF** buttons for 1.5 seconds to toggle between 24hr clock and AM/PM display, as required.



2.2 Setting the Date and Time

Setting the Date

Press and hold **PROG** for 5 seconds to display year.





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Use the + or - buttons to set the correct year.

Press **DAY** to display day and month. Use the + or - buttons to set the correct month (Jan=1, Feb=2 etc.).

Press **DAY** to display day and month. Use the + or - buttons to set day of month.

Press **PROG** to display the time.

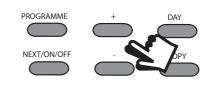
The words **SET TIME** will appear at the top of the display and the time will flash on and off.

Use the + or - buttons to set the correct time (press and hold to change in 10 minute increments).

Setting the Day

The day of the week is set automatically. Press **PROG** to exit into **RUN** mode.











3.0 Factory Presets

The unit is supplied with the following preset programme which will be active after the unit has been reset.

	Mon-Fri	Sat-Sun
1st ON	6.30am	7.30am
1st OFF	8.30am	10.00am
2nd ON	12.00pm	12.00pm
2nd OFF	12.00pm	12.00pm
3rd ON	5.00pm	5.00pm
3rd OFF	10.30pm	10.30pm

NB. 2nd ON and 2nd OFF are set to the same time. These 2 times are ignored by the programme therefore the heating will just come on once in the morning and once in the evening. If you want the heating to come on in the middle of the day set the 2nd ON and 2nd OFF to the times you require.

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3.1 Accepting the preset times

If you are happy to use the factory preset times, you do not need to do anything else.



To accept the presets press the **PROGRAMME** button until the colon in the display begins to flash.
Your unit is now in **RUN** mode.

3.2 Changing the preset programmes

Your installer will have set your unit to operate in one of the following modes:

- 7 day different settings for each day of the week (page 9-10) - default setting.
- □ 5/2 day one set of programmes for weekdays and another for weekends (page 11-12).

Please follow the correct instructions to programme your unit.

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Please Note

The unit must be programmed in sequence - ON/OFF times cannot be set out of sequence.

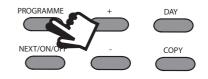
If you want to leave a preset time as it is, simply press **NEXT ON/OFF** to move on to the next setting.

Your clock will allow you to programme 3 ON/OFF settings per day. If you do not wish to use one of the ON/OFF settings, simply programme the ON time to be the same as the OFF time and the setting will not operate.

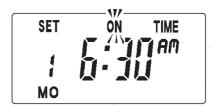
If at any time you get confused and need to reset your timings to the standard preset programme, press the **R/S** button to return to the preset programmes.

3.3 Programming the Heating and Hot Water in 7-Day Mode

1. Press **PROGRAMME** until **SET ON TIME** appears at the top of the display and press **DAY** until **MO** appears at the bottom of the display.

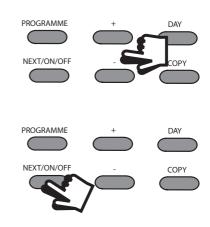


Use the **+ and -** buttons to set the time you want your heating to first come on in the morning (Event 1).



2. Press **NEXT ON/OFF** to move to Event 2.

Either press **COPY** to use the same settings as the day before or continue to programme the central heating ON and OFF times, using the **+ and -** buttons to set the time you want and pressing the **NEXT ON/OFF** button to move to the next setting.





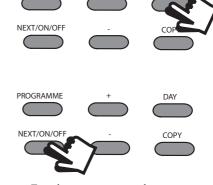
3. Press **DAY** button once only. **TU** will appear at the bottom of the display.

Continue programming the rest of the week by pressing:

- a) **NEXT ON/OFF** button to move to the next setting,
- b) + and buttons to amend the time,
- c) **DAY** to advance to the next day.

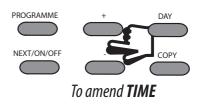
Alternatively press **COPY** to keep the same settings as the day before.

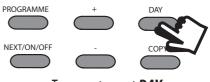
- 4. Press the **PROGRAMME** button to return the unit to **RUN** mode.
- 5. **Proceed to page 13.**



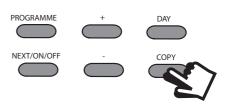
PROGRAMME

To advance to **next time** setting

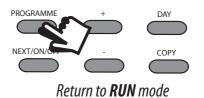




To move to next **DAY**



COPY previous event times



3.4 Programming the Heating and Hot Water in 5/2 Day Mode

1. Press **PROG** until **SET ON TIME** appears at the top of the display and press **DAY** until **MOTUWETHFR** appears at the bottom of the display.

Use the **+ and -** buttons to set the time you would like your heating/hot water to first come on in the morning (Event 1).

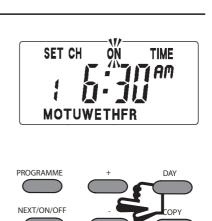
2. Press **NEXT ON/OFF** once only.

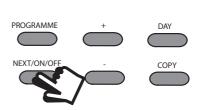
Use the **+ and -** buttons to set the time you want your heating/hot water to go off (Event 2).

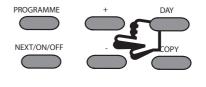
To move to the next setting, i.e. when you would like your heating/ hot water to come on again (Event 3) press the **NEXT ON/OFF** button again.

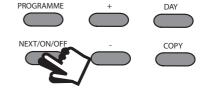
- 3. Continue programming the heating/ hot water ON and OFF times for weekday Events 4, 5 & 6 as in Step 2.
- Press the **DAY** button once and **SASU** will appear at the bottom of the display.

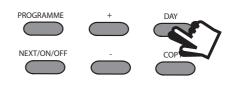
Either press **COPY** to keep the same settings for Saturday and Sunday as you have programmed for Monday to Friday.

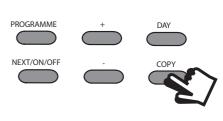














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Alternatively, programme new ON/ OFF times by pressing the **NEXT ON/OFF** button to move to the next setting and using the **+ and -** buttons to set the time you want. PROGRAMME + DAY

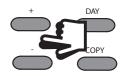
NEXT/ON/OFF - COPY

To advance to next time setting

5. Press the **PROG** button to return the unit to RUN mode.

Proceed to page 13.





To amend **TIME**



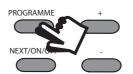
PROGRAMME

NEXT/ON/OFF





COPY previous event times





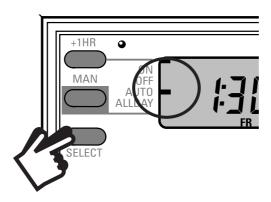
Return to **RUN** mode

3.5 Running your Programme

The 103E7 controls your hot water and heating together, turning them on and off at the same times.

To run the central heating and hot water programme press the **SELECT** button.





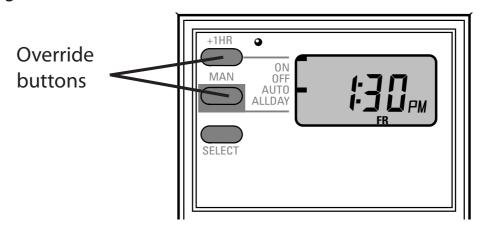
As you press **SELECT** a bar on the display will move between **ON**, **OFF**, **ALLDAY** and **AUTO**.

- **ON** = the hot water/heating will remain on constantly.
- **OFF** = the hot water/heating will not come on.
- **AUTO** = the hot water/heating will come on and go off according to the programmed times.
- ALLDAY = the unit will come on at the first programmed
 ON and will remain on until the last programmed OFF.

Select the option you require, depending on your circumstances, time of year, etc.

4.0 Temporary User Overrides

Sometimes you may need to change the way you use your heating temporarily, i.e due to unusually cold weather. The 103E7 has two convenient overrides which can be selected without affecting the set programme.



+1HOUR

Press +1HOUR once if you need an extra hour of operation

If the system is off it will come on for an hour. If it is already on it will add an extra hour so the system stays on for an extra hour.

To cancel the override press **+1HOUR** again. Otherwise the override will self-cancel at the next programmed event.

MAN

Press **MAN** button once to manually override the programme (only whilst unit is set to **AUTO** or **ALLDAY**)

If the system is on it will go off. If it is off it will come on. The set programme will resume at the next programmed **ON/OFF** time.

To cancel the override press **MAN** again.

5.0 Battery backup

In the event of a power cut, the built-in battery will keep your time and programme settings for up to 2 days.

After 2 days without mains power the date and time will be lost.

When mains power is restored, the unit should be **RESET**, by pressing the **R/S** button beneath the flap, using a small non-metallic object, i.e. matchstick, biro tip (see page 6).

Then reprogramme the date and time.

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